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 App. Serial No. 09/648,293
 filed 08/24/00)

US DEPARTMENT OF COMMERCE
 PATENT AND TRADEMARK OFFICE

Glebov
APPLICANT: EFIMOV, ET AL.
FOR: HIGH EFFICIENCY BRAGG GRATINGS IN PHOTO-THERMO-REFRACTIVE GLASS

10/66539
 PRO 80800
 10/667526
 10/667527
 10/667528
 10/667529
 10/667530

LIST OF ART CITED BY APPLICANT

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U.S. PATENT DOCUMENTS

EXAMINER	DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
W. Yarnell	AA 3,640,604	02/08/72	YARNELL	350	162 SF	
W. Kogelnik	AB 3,675,990	07/14/72	KOGELNIK, ET AL.	350	311	
W. Pierson	AC 4,057,408	1/08/77	PIERSON, ET AL.	065	018	
W. Borrelli	AD 4,514,053	04/30/85	BORRELLI, ET AL.	350	162.2	
W. Wu	AE 4,567,104	01/26/86	WU	428	410	
W. Wu	AF 4,670,366	01/02/87	WU	430	13	
W. Wu	AG 4,894,303	01/16/90	WU	430	13	
W. Kostuck	AH 4,946,253	08/07/90	KOSTUCK	350	169	
W. Keys	AI 4,965,152	10/28/90	KEYS, ET AL.	430	01	
W. Wu	AJ 5,078,771	01/09/92	WU	65	30.11	
W. Knobbe	AK 5,196,282	03/23/93	KNOBBE	430	02	
W. Wu	AL 5,285,517	02/04/94	WU	385	142	
W. Huang	AM 5,486,934	01/28/96	HUANG	359	15	
W. Rakuljic	AN 5,684,611	11/04/97	RAKULJIC, ET AL.	359	7	

FOREIGN PATENT DOCUMENTS

NONE

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

- W. OAI Optical Holography Principles, techniques and applications, second edition, P. Hariharan, Cambridge University Press. Pg 95-97 (1996)
- W. OA2 Full-Color Photosensitive Glass, S. Donald Stookey, George H. Beall and Joseph E. Pierson, Journal of Applied Physics, Vol. 49, No. 10, October 1978, pp. 5114 - 5123.
- W. OA3 Photolytic Technique for Producing Microlenses in Photosensitive Glass, Borelli, Morse, Bellman and Morgan, Applied Optics, Vol. 24, No. 16, August 15, 1985, pp. 2520 - 2525.
- W. OA4 Photothermal Refractive Effects in Silicate Glasses, Borgman, Glebov, Nikonorov, Petrovskii, Savvin and Tsveikov, Sov. Phys. Dokl, Vol. 34, No. 11, November 1989, pp. 1011 - 1013

W. Glebov

9/20/02
 08/17/06

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OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

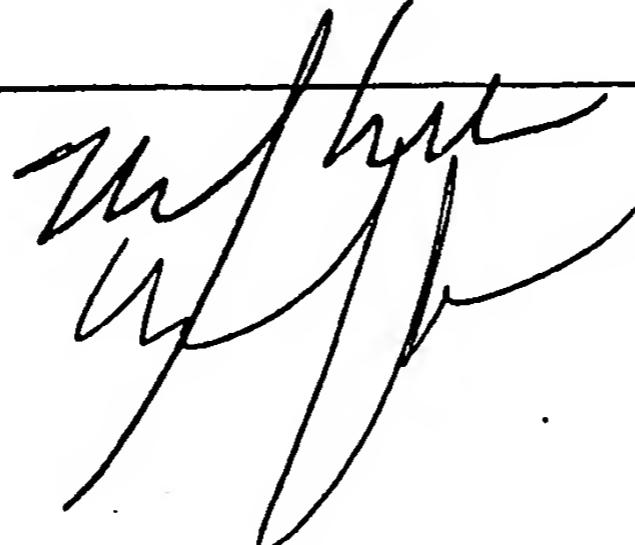
✓ At OA5 *Polychromic glasses - A New Material for Recording Volume Phase Holograms*, Glebov, Nikonorov, Panyshova, Petrovskii, Savvin, Tunimanova and Tsekhomskiir, Sov. Phys. Dokl, Vol. 35, No. 10, October 1990, pp. 878 - 880.

M M OA6 *New Ways to Use Photosensitive Glasses for Recording Volume Phase Holograms*, Glebov, Nikonorov, Panyshova, Petrovskii, Savvin, Tunimanova, and Tsekhomskii, Opt. Spectrosc., Vol. 73, No. 2, August 1992, pp. 237 - 241.

M M OA7 *Photo-Induced Processes in Photo-Thermo-Refactive Glasses*, Glebov, Glebova, Richardson and Smirnov, XVI International Congress on Glass, San Francisco, CA, July 5 - 10, 1998.

M M OA8 *High-Efficiency Bragg Gratings in Photothermorefractive Glass*, Efimov, Glebov, Glebova, Richardson and Smirnov, Applied Optics, Vol. 38, No. 4, February 1999, pp. 619 - 627.

M M OA9 *Photo-Thermo-Refactive Glasses for High-Efficiency Bragg Gratings in UV, Visible, and IR Regions*, Efimov, Francois-Saint-Cyr, Glebov, Glebova, Richardson and Smirnov. (2003) p 195
Conference on Lasers & Electrooptics, 2000



9/30/06
 2/17/06

Notice of References Cited		Application/Control No. 09/750,708 <i>1c/665339</i>	Applicant(s)/Patent Under R examination EFIMOV ET AL <i>Gebard</i>
Examiner Martin J Angebranndt		Art Unit 1756	Page 1 of 1
U.S. PATENT DOCUMENTS			

*	Document Number Country Code-Number-Kind Code	Date MM-YYYY	Name	Classification
A	US-4541694	09-1985	Sullivan et al.	350/371
B	US-5098803	03-1992	Monroe et al.	430/1
C	US-5339305	08-1994	Curtis et al.	369/112
D	US-			
E	US-			
F	US-			
G	US-			
H	US-			
I	US-			
J	US-			
K	US-			
L	US-			
M	US-			

FOREIGN PATENT DOCUMENTS

*	Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
N	03-081718	04-1991	Japan	Morinaka et al.	
O					
P					
Q					
R					
S					
T					

NON-PATENT DOCUMENTS

*	Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
U	IBM Tech. Disc. Bull., Vol 31(3) pp. 18-21 (08/1988)
V	EFIMOV, et al "Laser-induced Damage of Photo-Thermo-Refractive Glasses for Optical-Holographic-Element Writing", Proc. SPIE Vol. 3578, pp. 564-575 (1999)
W	
X	

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

mjh *2/27/06*

US DEPARTMENT OF COMMERCE
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APPLICANT: LEONID B. GLEBOV
 FOR: SENSITIZATION OF PHOTO-THERMAL-REFRACTIVE GLASS TO VISIBLE RADIATION BY
 TWO-STEP ILLUMINATION

LIST OF ART CITED BY APPLICANTU.S. PATENT DOCUMENTS

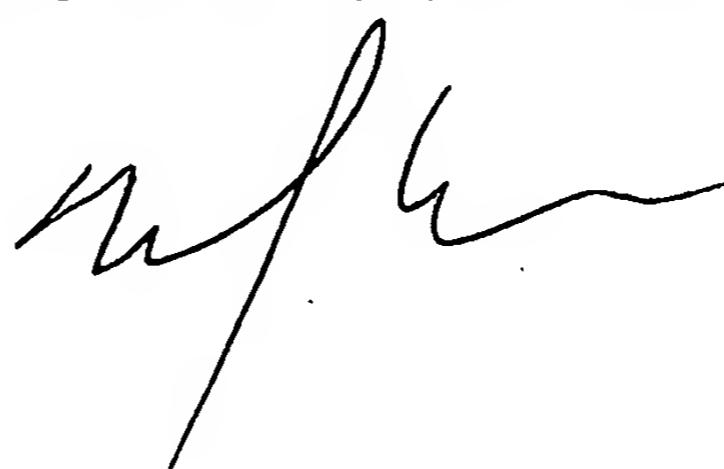
EXAMINER	DOCUMENT NO.	NAME	DATE	CLASS	SUBCLASS
AA	4,541,694	Sullivan, et al.	09/17/1985	350	371
AB	5,098,803	Monroe, et al.	03/24/1992	430	1
AC	5,339,305	Curtis, et al.	08/16/1994	369	112

PATENT APPLICATION PUBLICATIONS

NONE

FOREIGN ART

FA	JP03-081718	Morinaka, et al.	04/08/1991
<u>OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)</u>			
OA	(1979) A.P. Gararin, L.B. Glebov, O.M. Efimov, O.S. Efimova. Formation of color centers in sodium calcium silicate glasses with the nonlinear absorption of powerful UV radiation. Sov. J. Glass Phys. Chem. 5, Pages 337-340.		
OB	(08/1988) IBM Tech. Disc. Bull., Vol 31(3), pp. 18-23.		
OC	(1996) P. Martharan. <u>Optical Holography. Principles, techniques, and applications.</u> Chapter 7: "Practical recording materials," 95-124. Cambridge University Press, Pages 95-97.		
OD	(1997) A.V. Dotsenko, L.B. Glebov, V.A. Tsekhomsky, Physics and Chemistry of Photochromic Glasses. CRC Press, Boca Raton, NY., Pages 9-11		
OE	(1999) Efimov, et al. "Laser-induced Damage of Photo-Thermo-RefRACTive Glasses for Optical-Holographic-Element Writing", SPIE Vol. 3578, pp. 564-575		
OF	(1999) O.M. Efimov, L.B. Glebov, S. Grantham, M. Richardson. Photoionization of silicate glasses exposed to IR femtosecond pulses. Journal of Non-Crystalline Solids, 253, 58-67.		
OG	(2002) O.M. Efimov, L.B. Glebov, H.P. Andre. Measurement of the induced refractive index in a photothermorefractive glass by a liquid-cell shearing interferometer. Appl. Optics, 41, 1864-1871		


2/12/06